

Title (en)

Motor drive control device, motor drive control method and electric power steering device using motor drive control device

Title (de)

Motorantriebs-Steuervorrichtung, Motorantriebs-Steuerverfahren und elektrische Servolenkung mit der Motorantriebs-Steuervorrichtung

Title (fr)

Dispositif de contrôle d'un moteur, procédé de réglage du dispositif de commande du moteur et dispositif de direction électrique comprenant le dispositif de contrôle du moteur

Publication

EP 1914878 A2 20080423 (EN)

Application

EP 07020329 A 20071017

Priority

- JP 2006283019 A 20061017
- JP 2007105592 A 20070413

Abstract (en)

A motor drive control device includes: a generation part for generating a current command value; a current detection part for detecting a drive current of an electric motor; a motor feedback control part for controlling feedback of the electric motor based on the current command value and a drive current detection value; a prefilter with order of one or more for adjusting the current command value, the prefilter being interposed between the generation part and the motor feedback control part; and a series compensator with order of two or more for determining a voltage command value of the motor feedback control part based on the current command value adjusted by the prefilter and the drive current detection value of the electric motor.

IPC 8 full level

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CPC (source: EP US)

H02P 21/22 (2016.02 - EP US)

Cited by

CN103490691A; CN104981975A; EP2937991A4; CN105227028A; EP2961058A3; US10135368B2; US10651766B2; US10003285B2; US9663139B2; US9809247B2; US10389289B2; US9503013B2; US9882523B2

Designated contracting state (EPC)

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Designated extension state (EPC)

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